## **CONTENTS**

| Appendix<br><u>Number</u> | Appendix<br><u>Name</u>  |
|---------------------------|--|
|                           | Introduction   |
| 2-A                       | Detailed Description of Highway Element of No Project Alternative                                |
| 2-B                       | Detailed Description of Aviation Element of No Project Alternative                               |
| 2-C                       | No Project Alternative Projects Funded for Intercity and Freight Rail in the State of California |
| 2-D                       | Detailed Description of the Highway-Only System Improvements                                     |
| 2-E                       | Detailed Description of the Aviation-Only System Improvements                                    |
| 2-F                       | Detailed Description of the Highway Improvement Option Methodology                               |
| 2-G                       | Description of the Modal Alternative Aviation Improvement Option Methodology                     |
| 2-H                       | HST Alignment and Station Screening Evaluation Summary Tables                                    |
| 2-I                       | Screening Evaluation Methodology and Criteria  |
| 2-J                       | Cost Estimate for San Francisco Bay Crossing   |
| 3.1-A                     | Traffic Data   |
| 3.1-B                     | Arterials Proposed for Grade Separations in the Los Angeles to                                   |
|                           | San Diego via Orange County Region   |
| 3.2-A                     | Line-Haul Travel Times for Air and High-Speed Train  |
| 3.2-B                     | Description of Travel Time Components  |
| 3.4-A                     | Noise and Vibration Screening Distances  |
| 3.4-B                     | Noise and Vibration Rating Method  |
| 3.4-C                     | Noise and Vibration Impact Criteria  |
| 3.4-D                     | Noise Impact Results   |
| 3.4-E                     | Vibration Impact Results   |
| 3.4-F                     | Noise Typology Locations   |
| 3.8-A                     | Potential HST Alternative Impacts on Agricultural Lands  |
| 3.10-A                    | Regional Utility Providers   |
| 3.10-B                    | Summary of Potential Public Utilities Conflicts  |
| 3.11-A                    | Results of Hazardous Materials Database Searches   |
| 3.12-A                    | Letter to State Historic Preservation Office   |
| 3.13-A                    | Geology Summary Tables by Region   |
| 3.14-A                    | Detailed Description of Hydrology Regulatory Requirements  |
| 3.14-B                    | Summary of Potential Hydrological Resource and Water Quality Conflicts by Alternative            |
| 3.15-A                    | General Description of Biological Resource Topics  |
| 3.15-B                    | Detailed Description of Biology and Wetlands Regulatory Requirements                             |
| 3.15-C                    | Data Collection for Natural Resources  |
| 3.15-D                    | Summary of Potential Impacts on Biological Resources and Wetlands                                |
| 3.16-A                    | Section 4(f) and 6(f) Regional Summary Tables  |
| 3.17-A                    | List of Projects for Cumulative Analysis   |
| 4-A                       | Capital Cost: Highway Component of Modal Alternative   |
| 4-B                       | Capital Cost: Aviation Component of Modal Alternative  |
| 4-C                       | Capital Cost: High-speed train alternative   |
| 4-D                       | California High Speed Rail: PCC—Life Cycle Analysis (Modal Alternative Additional Lane Miles)    |
| 4-E                       | Operating and Maintenance Costs for Air Component of the Modal Alternative                       |





## INTRODUCTION

This volume contains the appendices to the *California High-Speed Train Draft Program Environmental Impact Report/Environmental Impact Statement* (EIR/EIS). Much of the information in these appendices is based on the technical evaluation reports prepared for the Draft Program EIS/EIR. The specific alignment segments used in the Sacramento to Bakersfield region are defined in the *Sacramento to Bakersfield High-Speed Train Alignment Option Segments* (California High Speed Rail Authority 2004). The sources used in the preparation of the appendices are listed in Chapter 12 of the Draft Program EIS/EIR.

